ES Warmups Week 31

Match each definition with the correct term.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | where a stream empties into a larger body of water | a. | meander |
| 2. | a smaller stream that empties into a larger stream | b. | delta |
| 3. | bends and curves of a stream | c. | alluvial fan |
| 4. | the land area drained by a river system | d. | tributary |
| 5. | deposit formed when a stream spreads out onto a less steep area | e. | watershed |

Listed below are the 5 statements. Choose the term listed in parentheses that will correctly complete the sentence.

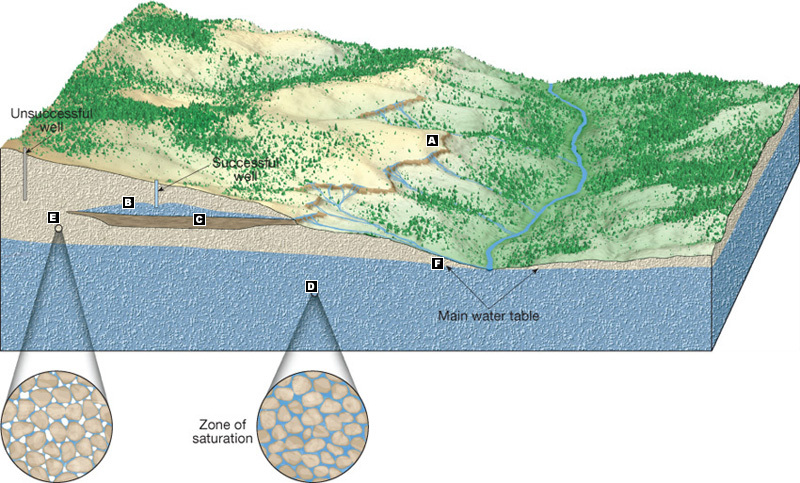
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| --- | --- |
| 1. | Rivers that flow across a broad floodplain and have lots of meanders are (**young, old**). |
| 2. | Rain that falls in Madison Heights and runs off into the James River is part of the (**Gulf of Mexico, Chesapeake Bay**) watershed. |
| 3. | Stream discharge increases with (**decreased velocity, increased depth**). |
| 4. | The type of stream load that can be carried the farthest and fastest is (**solution, bed load**). |
| 5. | (**Sheet erosion, Stream erosion**) makes a river wider and deeper. |

For each question, choose the scenario that would experience the **most** runoff (A or B).

|  |  |  |
| --- | --- | --- |
|  | **A** | **B** |
| 1. | clear cut forest | intact forest |
| 2. | 1 inch of rain | 6 inches of rain |
| 3. | 3 inches of rain in 8 hours | 3 inches of rain in 1 hour |
| 4. | steep hill | flat land |
| 5. | grassy lawn | dirt driveway |

Match each definition with the correct term.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | upper surface of the zone of saturation | a. | groundwater |
| 2. | all the water that soaks into the ground and collects in pores and empty spaces | b. | aquifer |
| 3. | area where all the pores on the rock are filled with water | c. | water table |
| 4. | layer of permeable rock that allows water to move freely | d. | zone of saturation |
| 5. | area where the pores in the rock are filled with air | e. | zone of aeration |



**A**

**C**

**D**

**B**

Identify the letters that correspond with the following features:

1. Water table
2. Zone of aeration
3. Zone of saturation
4. Layer of impermeable rock (aquitard)